
Weekly Report / MEI Honghui

10.16-10.22

JVLC

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网络可视化项目

完善了一些可视化视图的布局和交互

预计这周完成

杂项

澳大利亚报销完成

学年小结

论文阅读

[1] A. Endert, P. Fiaux, and C. North, "Semantic interaction for sensemaking: Inferring analytical reasoning for model steering," *IEEE Trans. Vis. Comput. Graph.*, vol. 18, no. 12, pp. 2879–2889, 2012.

[2] A. S. Spritzer, J. Boy, P. Dragicevic, J. D. Fekete, and C. M. Dal Sasso Freitas, "Towards a smooth design process for static communicative node-link diagrams," *Comput. Graph. Forum*, vol. 34, no. 3, pp. 461–470, 2015.

[3] J. Boy, F. Detienne, and J.-D. Fekete, "Storytelling in Information Visualizations: Does it Engage Users to Explore Data?," *Proc. 33rd Annu. ACM Conf. Hum. Factors Comput. Syst. - CHI '15*, pp. 1449–1458, 2015.

结论是 story telling 没用…

[4] P. Dragicevic, *Modern Statistical Methods for HCI*. 2016.

书籍，看了其中一章，有些做 evaluation 的准则，需要的时候可以参考

[5] B. Saket, A. Srinivasan, E. D. Ragan, and A. Endert, "Evaluating Interactive Graphical Encodings for Data Visualization," *IEEE Trans. Vis. Comput. Graph.*, vol. 14, no. 8, pp. 1–1, 2017.

Visualization by Demonstration 的后续文章，基本上就是对他自己的交互方式做了调研和总结

[6] D. Albers, M. Correll, and M. Gleicher, "Task-Driven Evaluation of Aggregation in Time Series Visualization.," *Proc. SIGCHI Conf. Hum. factors Comput. Syst. CHI Conf.*, vol. 2014, pp. 551–560, 2014.

[7] A. Sarikaya, S. Member, and M. Gleicher, "Scatterplots: Tasks, Data, and Designs," vol. 24, no. 1, pp. 402–412, 2018.

散点图的综述

[8] M. Gleicher, "Considerations for Visualizing Comparison," *IEEE Trans. Vis. Comput. Graph.*, vol. 24, no. 1, pp. 413–423, 2017.

这位大佬就是做 comparative visualization 的，可以参考一下

[9] R. Vuillemot and J. Boy, "Structuring Visualization Mock-ups at the Graphical Level by Dividing the Display Space," *IEEE Trans. Vis. Comput. Graph.*, vol. 24, no. 1, pp. 424–434, 2017.

虽然想法很有趣，做的很复杂，但绕来绕去只有个 treemap

[10] Y. Chen, P. Xu, and L. Ren, "Sequence Synopsis: Optimize Visual Summary of Temporal Event Data," *IEEE Trans. Vis. Comput. Graph.*, vol. 24, no. 1, pp. 1–1, 2017.

汽车保养数据，对 event sequenc 数据抓的重点很有意思

[11] J. Boy, L. Eveillard, F. Detienne, and J. D. Fekete, "Suggested Interactivity: Seeking Perceived Affordances for Information Visualization," *IEEE Trans. Vis. Comput. Graph.*, vol. 22, no. 1, pp. 639–648, 2016.

综述，没太看懂

TODO Next Week

- ECharts 论文框架
- VisEvo 改进想法和 PPT

Works Progresses

项目	进度	接下来的工作	遇到的问题	预计时间
专利（两个）	1/2	继续按照要求修改示意图		下周
VisComposer	投 IUI	等待结果		
VisEvo		思考改进点		下周
JVLC	已提交版权声明	等待回复		待定
电子学报	修改终稿	完成并邮寄	居然以纸质版为准，很烦	下周
澳大利亚报销/美国公派出国手续	已完成			未知
ECharts 论文写作	进行中	撰写论文框架		待定

